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1700 DIAGONAL ROAD SUITE 300 ALEXANDRIA, VA 22314			HICKS, MICHAEL J	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/029,942	KWON ET AL.			
Office Action Summary	Examiner	Art Unit			
	Michael J. Hicks	2165			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be to the arrow will expire SIX (6) MONTHS from the application to become ABANDON	N. imely filed m the mailing date of this communication. ED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on 11 Se	entember 2007.				
· <u> </u>	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-11 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers	•				
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 31 December 2001 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	re: a)⊠ accepted or b)⊡ object drawing(s) be held in abeyance. So ion is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. & 119					
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 10/15/2007. 	4) Interview Summal Paper No(s)/Mail 5) Notice of Informal 6) Other:				

1. Claims 1-11 Pending.

9/11/2007 has been entered.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on

Response to Arguments

3. Applicant's arguments filed 9/11/2007 have been fully considered but they are not persuasive.

In regards to Applicants arguments that the Anerousis reference fails to disclose the limitation of performing a second set of statistical function on the retrieved subset of messages, examiner respectfully disagrees. Examiner notes that the sited section of Anerousis indicates that the bandwidth usage calculations which are viewable from the web browser are a time series and also that the performance measures (e.g. the bandwidth calculations) are temporarily aggregated. This further indicates that the

bandwidth calculations performed periodically and the time series view is periodically updated. As such, each update of the aggregated bandwidth calculations may be viewed as a set of statistical function which are performed on the retrieved subset of messages indicating first, second, and subsequent sets of statistical calculations.

In light of the above arguments the rejection will be updated to reflect the amendments made to the claims and maintained.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States
- 2. Claims 1, 3-7, and 9 rejected under 35 U.S.C. 102(b) as being anticipated by Anerousis ("An Architecture for Building Scalable, Web-Based Management Services", Journal of Network Systems Management, Vol. 7, No. 1, 1999).

As per Claim 1, Anerousis discloses a system for statistically processing messages comprising (i.e. "We use one Marvel server for every group of users served by the same cable operator (i.e. that share the same head-end). These servers operate at level 1. At the second level of the hierarchy, another Marvel server provides global monitoring statistics for the entire Sail network. Summarizing performance such as bandwidth usage in this environment is very attractive because not only does it give statistics for larger sets of the user population, but also helps in planning system capacity and the number of served users at every branch of the cable distribution system." The

preceding text excerpt clearly indicates that the system performs statistical processing on messages passed through a network.) (Page 96, Paragraph 3; Page 97, Paragraph 1): a message compiler for compiling upstream and downstream messages of a network controller (i.e. "Sail consists of a head-end router which multiplexes all user traffic on the CATV channel a terminal server, and cable modems (one per user) that terminate the upstream and downstream channels and route the collected packets onto a local Ethernet on which the user has connected a number of PCs or workstations...We use one Marvel server for every group of users served by the same cable operator (i.e. that share the same head-end). These servers operate at level 1. At the second level of the hierarchy, another Marvel server provides global monitoring statistics for the entire Sail network." The preceding text excerpt clearly indicates that the messages from which the statistics are formed are upstream and downstream messages passed through a network controller.) (Page 96, Paragraph 3); a database for storing data (i.e. "The server periodically obtains information from the cable modems through a low level monitoring and control protocol and updates the appropriate objects. A separate object contains aggregated performance information for the group and also a table attribute which is used to sort individual user information based on usage or error rates." The preceding text excerpt clearly indicates that the data is stored and aggregated in a database.) (Figure 7; Page 97, Paragraph 4); a message storage unit for storing the messages directly from the massage compiler in the database when an amount of the messages compiled in the message compiler reaches a predetermined level (i.e. "Marvel allows browsing through performance data with better granularity (data collection from the network occurs every five minutes) and freshness (all information is at most 5 minutes old). It further integrates monitoring and control of components from different manufacturers (cable modems, terminal servers and head-end routers) under one user interface." The preceding text excerpt clearly indicates that the messages are stored in the database when they reach a predetermined level (e.g. at a predetermined interval).) (Page 98, Paragraph 2; Page 99, Paragraph 1); a statistical function handler for performing statistical processes on the messages stored in the

database according to pre-determined functions and according to a predetermined structure in main memory, wherein the messages are retrieved from the database using a structural query language (SQL) (i.e. "Summarizing performance such as bandwidth usage in this environment is very attractive because not only does it give statistics for larger sets of the user population, but also helps in planning system capacity and the number of served users at every branch of the cable distribution system. In addition measuring the error rates for different groups of users can help to identify areas with transmission problems and sometimes pinpoint the location of the problem...In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that statistical processes are performed on the data at the request of a user, and also that the statistical operations may be predetermined, (e.g. automatic performance summarizations used for planning purposes). Note that any instructions to perform statistical operations must, at sometime before they are executed, be stored in a structure in memory, and also that the use of SQL to compose and execute queries on a relational database is sufficiently know in the art as to be considered common knowledge and will be considered as overcome by official notice.) (Page 97, Paragraphs 1, 3); and a statistical result value storage unit for converting the results from the statistical processes performed by the statistical function handler into a file of a predetermined format, then storing the file as a target table in the database (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time...In addition to the above

performance summarization features we also support customer views through objects that represent user profiles". These objects combine account information from the user registration database with peruser temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the data may be stored I the database at any time. Also note that in order for the data to be accessible from the database, as the text excerpt demonstrates it is, it must be stored in a predetermined format which is readable by the database.) (Page 97, Paragraphs 2-3) wherein the file is accessible from a web browser (e.g. "In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the database files can be viewed from a web browser.) (Page 97, Paragraphs 2-3); and wherein the statistical function handler is further configured to perform a second set of statistical functions on the retrieved subsets of messages in the file (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time...In addition to the above performance summarization features we also support customer views through objects that represent user profiles". These objects combine account information from the user registration database with peruser temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and

observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the files may be retrieved from the second database using a web interface in order to perform further statistical functions on the file which are based on the user.) (Page 97, Paragraphs 2-3).

As per Claim 3, Anerousis discloses a random access main memory in which results of the statistical processes performed by the statistical function handler are stored (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time." The preceding text excerpt clearly indicates that the aggregated views of the data (e.g. data on which statistical processes have been performed) may be stored in the database at any time. Note that the filed must pass through a RAM in order to be stored in a main memory.) (Page 97, Paragraph 2).

As per Claim 4, Anerousis discloses the message storage unit, if the amount of messages compiled in the message compiler reaches the predetermined level, divides the compiled messages into downstream and upstream messages (i.e. "Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel)...An event log browsing facility is also provided for examining detailed event traces that are not transmitted to the client." The preceding text excerpt clearly indicates that the messages are divided into downstream messages (e.g. messages about the downstream characteristics associated with and viewable by the user) and upstream messages (e.g. other messages associated with the network and which are not viewable to the users).) (Page 97, Paragraph 3; Page 99, Paragraph 3) and performs

storage by converting them into a database format according to the division (i.e. "In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the downstream messages are stored in a format which is viewable to the user, while the upstream messages are not.) (Page 97, Paragraph 3).

As per Claim 5, Anerousis discloses a file system for storing the XML file generated in the statistical result value storage unit (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time." The preceding text excerpt clearly indicates that the data files may be stored at any time, which indicated the presence of a file system which would facilitate the storing.) (Page 97, Paragraph 2).

As per Claim 6, Anerousis discloses an input unit for receiving user input (i.e. "When the event subsystem is fully integrated with Marvel, the SAIL operator will have the capability of browsing through large numbers of event types, subscribing to receive events of interest, and linking incoming notifications with audio-visual effects in applets running inside the client. An event log browsing facility is also provided for examining detailed event traces that are not transmitted to the client. Of particular interest to the SAIL management system are events that notify the operator of unusual high error rates at a customer's premise, high utilization at a terminal server site, and individual customer

activity." The preceding text excerpt clearly indicates that user input is received through an administrative utility in order to browse and query.) (Page 99, Paragraph 3); an administrator interface enabling monitoring of the target table stored in the database and the XML file stored in the file system according to user input (i.e. "When the event subsystem is fully integrated with Marvel, the SAIL operator will have the capability of browsing through large numbers of event types, subscribing to receive events of interest, and linking incoming notifications with audio-visual effects in applets running inside the client. An event log browsing facility is also provided for examining detailed event traces that are not transmitted to the client. Of particular interest to the SAIL management system are events that notify the operator of unusual high error rates at a customer's premise, high utilization at a terminal server site, and individual customer activity." The preceding text excerpt clearly indicates that target tables/information in the database may be monitored for certain event occurrences.) (Page 99, Paragraph 3); and a reference unit for executing data of the target table stored in the database to allow monitoring by the user (i.e. " When the event subsystem is fully integrated with Marvel, the SAIL operator will have the capability of browsing through large numbers of event types, subscribing to receive events of interest, and linking incoming notifications with audio-visual effects in applets running inside the client. An event log browsing facility is also provided for examining detailed event traces that are not transmitted to the client. Of particular interest to the SAIL management system are events that notify the operator of unusual high error rates at a customer's premise, high utilization at a terminal server site, and individual customer activity." The preceding text excerpt clearly indicates the data in a target table may also be executed to allow for browsing/monitoring.) (Page 99, Paragraph 3).

As per Claim 7, Anerousis discloses a method for statistically processing messages transmitted and received between a Headend, including a network controller for controlling network paths (i.e. "Sail consists of a head-end router which multiplexes all user traffic on the CATV channel a terminal server, and cable modems (one per user) that terminate the

upstream and downstream channels and route the collected packets onto a local Ethernet on which the user has connected a number of PCs or workstations...We use one Marvel server for every group of users served by the same cable operator (i.e. that share the same head-end). These servers operate at level 1. At the second level of the hierarchy, another Marvel server provides global monitoring statistics for the entire Sail network." The preceding text excerpt clearly indicates that messages transmitted between a headend, including a network controller, are statistically processed.) (Page 96, Paragraph 3), for providing cable broadcasting and a receiver connected to the Headend through a cable network (i.e. "Sail consists of a head-end router which multiplexes all user traffic on the CATV channel a terminal server, and cable modems (one per user) that terminate the upstream and downstream channels and route the collected packets onto a local Ethernet on which the user has connected a number of PCs or workstations...We use one Marvel server for every group of users served by the same cable operator (i.e. that share the same head-end). These servers operate at level 1. At the second level of the hierarchy, another Marvel server provides global monitoring statistics for the entire Sail network." The preceding text excerpt clearly indicates that broadcasting and browsing are provided, and that the network controller and a receiver are connected to the head-end.) (Page 96, Paragraph 3), the method comprising: receiving statistical functions to perform on network message traffic (i.e. "Summarizing performance such as bandwidth usage in this environment is very attractive because not only does it give statistics for larger sets of the user population, but also helps in planning system capacity and the number of served users at every branch of the cable distribution system. In addition measuring the error rates for different groups of users can help to identify areas with transmission problems and sometimes pinpoint the location of the problem...In addition to the above performance summarization features we also support customer views through objects that represent user profiles". These objects combine account information from the user registration database with peruser temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are

visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that statistical processes are performed on the data and thus the instructions to perform the operations must be received.) (Page 97. Paragraphs 1, 3); compiling messages transmitted and received through the network controller (i.e. "Sail consists of a head-end router which multiplexes all user traffic on the CATV channel a terminal server, and cable modems (one per user) that terminate the upstream and downstream channels and route the collected packets onto a local Ethernet on which the user has connected a number of PCs or workstations...We use one Marvel server for every group of users served by the same cable operator (i.e. that share the same head-end). These servers operate at level 1. At the second level of the hierarchy, another Marvel server provides global monitoring statistics for the entire Sail network." The preceding text excerpt clearly indicates that the messages from which the statistics are formed are upstream and downstream messages passed through a network controller.) (Page 96, Paragraph 3), separating the compiled messages into downstream and upstream messages (i.e. "Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel)...An event log browsing facility is also provided for examining detailed event traces that are not transmitted to the client." The preceding text excerpt clearly indicates that the messages are divided into downstream messages (e.g. messages about the downstream characteristics associated with and viewable by the user) and upstream messages (e.g. other messages associated with the network and which are not viewable to the users).) (Page 97, Paragraph 3; Page 99, Paragraph 3), and storing the messages directly into a first database format according to the divided items (i.e. "In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the

downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the downstream messages are stored in a format which is viewable to the user. while the upstream messages are not.) (Page 97, Paragraph 3); retrieving subsets of the stored messages use a Structured Query Language (SQL) from the first database, wherein the subsets are the messages necessary to compute the received statistical functions, and computing the received statistical functions on the retrieved subsets (i.e. "Summarizing performance such as bandwidth usage in this environment is very attractive because not only does it give statistics for larger sets of the user population, but also helps in planning system capacity and the number of served users at every branch of the cable distribution system. In addition measuring the error rates for different groups of users can help to identify areas with transmission problems and sometimes pinpoint the location of the problem...In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the statistical processes are performed on the data and that user views may be stored in a web server to be accessed from a web browser. Also note that, as above, the limitation dealing with SQL is rejected by official notice.) (Page 97, Paragraphs 1, 3), and storing results of the statistical functions and subsets of the messages including column name and column type information in a random access memory (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time...In addition to the above performance

summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access. to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the results of the processes are formatted and stored in memory for further browsing. Also note that the table files which are stored in the database will contain the column name and column type information for the tables.) (Page 97, Paragraphs 2-3); generating a file in a structural document format from the stored results of the statistical functions and the subsets of messages in the random access memory, wherein the file includes the column name and column type information for the statistical results and the subsets of mesages (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time...In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that aggregated views of the data (e.g. result sets of data to particular statistical processes) may be stored while the original, non-aggregated data is maintained. Also note that in order for the data to be accessible from the database, as the text excerpt demonstrates it is, it must be stored in a predetermined format which is readable by the database. Also note that as above, the database table files in which the information is stored will include the column name and column type information.) (Page

97. Paragraphs 2-3), storing the file in a second database based on the statistical functions (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time...In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the files may be stored on a web server as customer views.) (Page 97, Paragraphs 2-3); retrieving the file from the second database based on the statistical functions (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time...In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the files may be retrieved and viewed from the second database using a web interface in order to perform further statistical functions on the file which are based on the user.) (Page 97, Paragraphs 2-3); remotely viewing the file including results of the statistical functions and the subsets of messages from the web browser using a definition file for a viewpoint (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because

performance aggregations can be stored and accessed at any time...In addition to the above performance summarization features we also support customer views through objects that represent user profiles". These objects combine account information from the user registration database with peruser temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the files may be retrieved and viewed from the second database using a web interface in order to perform further statistical functions on the file which are based on the user. Note that the file itself is used a s a definition file for the viewing.) (Page 97, Paragraphs 2-3); and performing a second set of statistical functions on the retrieved subsets of messages in the file (i.e. "We have found that the Marvel system has many advantages over commercial network management applications because performance aggregations can be stored and accessed at any time ... In addition to the above performance summarization features we also support customer views through objects that represent "user profiles". These objects combine account information from the user registration database with per-user temporally aggregated performance measurements. Every such object generates a web page that a user can access to view his/her account status together with a time series of their bandwidth usage and observed quality of service (transmission error rates in the downstream channel). Time series are visualized using a special Java applet that displays a chart and allows scrolling and zooming for more careful examination of the data." The preceding text excerpt clearly indicates that the files may be retrieved from the second database using a web interface in order to perform further statistical functions on the file which are based on the user.) (Page 97, Paragraphs 2-3).

As per Claim 9, Anerousis discloses executing the generated target table using a predetermined program to monitor statistical results (i.e. "When the event subsystem is fully

integrated with Marvel, the SAIL operator will have the capability of browsing through large numbers of event types, subscribing to receive events of interest, and linking incoming notifications with audio-visual effects in applets running inside the client. An event log browsing facility is also provided for examining detailed event traces that are not transmitted to the client. Of particular interest to the SAIL management system are events that notify the operator of unusual high error rates at a customer's premise, high utilization at a terminal server site, and individual customer activity." The preceding text excerpt clearly indicates the data in a target table may also be executed to allow for browsing/monitoring.) (Page 99, Paragraph 3).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 2, 8, and 10 rejected under 35 U.S.C. 103(a) as being unpatentable over Anerousis in view of McHugh et al., ("Proceedings of the 25th VLDB Conference", Edinburgh, Scotland, 1999 and referred to hereinafter as McHugh).

As per Claims 2 and 10, Anerousis fails to disclose that the structural document format is an XML file structure.

McHugh discloses that the structural document format is an XML file structure

(i.e. "While all of the usual problems associated with cost-based query optimization apply to XML-based query languages, a number of additional problems arise, such as new kinds of indexing, more

complicated notions of database statistics, and vastly different query execution strategies for different databases. We define appropriate logical and physical query plans, database statistics, and a cost model, and we describe plan enumeration including heuristics for reducing the large search space." The preceding text excerpt clearly indicates that an XML database may be used to store statistical data.)

(Abstract).

It would have been obvious to one skilled in the art at the time of Applicants invention to modify the teachings of Anerousis with the teachings of McHugh to include that the structural document format is an XML file structure with the motivation of providing storage in a format which permits tagging, nesting, and referencing of elements (McHugh, Page 1, Column 1, Introduction).

As per Claim 8, Anerousis discloses monitoring a file to checks statistical results (i.e. "When the event subsystem is fully integrated with Marvel, the SAIL operator will have the capability of browsing through large numbers of event types, subscribing to receive events of interest, and linking incoming notifications with audio-visual effects in applets running inside the client. An event log browsing facility is also provided for examining detailed event traces that are not transmitted to the client. Of particular interest to the SAIL management system are events that notify the operator of unusual high error rates at a customer's premise, high utilization at a terminal server site, and individual customer activity." The preceding text excerpt clearly indicates the data in a target table may also be executed to allow for browsing/monitoring.) (Page 99, Paragraph 3).

Anerousis fails to disclose that the generated structural document format is XML.

McHugh discloses that the generated structural document format is XML (i.e. "While all of the usual problems associated with cost-based query optimization apply to XML-based query languages, a number of additional problems arise, such as new kinds of indexing, more complicated notions of database statistics, and vastly different query execution strategies for different databases. We

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define appropriate logical and physical query plans, database statistics, and a cost model, and we describe plan enumeration including heuristics for reducing the large search space." The preceding text excerpt clearly indicates that an XML database may be used to store statistical data.) (Abstract).

It would have been obvious to one skilled in the art at the time of Applicants invention to modify the teachings of Anerousis with the teachings of McHugh to include that the generated structural document format is XML with the motivation of providing storage in a format which permits tagging, nesting, and referencing of elements (McHugh, Page 1, Column 1, Introduction).

As per Claim 11, Examiner feels that the use of XSL definition files to view XML documents is sufficiently well known in the art to reject the limitation on the basis of official notice. As such, McHugh's above disclose pertaining to XML documents and statistical databases is sufficient to reject the given limitation.

Points of Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Hicks whose telephone number is (571) 272-2670. The examiner can normally be reached on Monday - Friday 8:30a - 5:00p.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (571) 272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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